

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/553,669  
Source: TEWP  
Date Processed by STIC: 08/24/2006

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IFWP

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/553,669

DATE: 08/24/2006

TIME: 16:28:39

Input Set : A:\sequence listing ascii.txt  
 Output Set: N:\CRF4\08242006\J553669.raw

3 <110> APPLICANT: STRITTMATTER, STEPHEN M.  
 4 LEE, DANIEL H.S.  
 5 LI, WEIWEI  
 7 <120> TITLE OF INVENTION: Nogo-Receptor Antagonists for the Treatment of Conditions  
 Involving  
 8 Amyloid Plaques  
 10 <130> FILE REFERENCE: 2159.0470001  
 12 <140> CURRENT APPLICATION NUMBER: US 10/553,669  
 C--> 13 <141> CURRENT FILING DATE: 2005-10-17  
 15 <150> PRIOR APPLICATION NUMBER: PCT/US04/11728  
 16 <151> PRIOR FILING DATE: 2004-04-16  
 18 <150> PRIOR APPLICATION NUMBER: US 60/463,424  
 19 <151> PRIOR FILING DATE: 2003-04-16  
 21 <160> NUMBER OF SEQ ID NOS: 22  
 23 <170> SOFTWARE: PatentIn Ver. 3.2  
 25 <210> SEQ ID NO: 1  
 26 <211> LENGTH: 344  
 27 <212> TYPE: PRT  
 28 <213> ORGANISM: Homo sapiens  
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 34 Trp Leu Gln Ala Trp Gln Val Ala Ala Pro Cys Pro Gly Ala Cys Val  
 35 20 25 30  
 37 Cys Tyr Asn Glu Pro Lys Val Thr Thr Ser Cys Pro Gln Gln Gly Leu  
 38 35 40 45  
 40 Gln Ala Val Pro Val Gly Ile Pro Ala Ala Ser Gln Arg Ile Phe Leu  
 41 50 55 60  
 43 His Gly Asn Arg Ile Ser His Val Pro Ala Ala Ser Phe Arg Ala Cys  
 44 65 70 75 80  
 46 Arg Asn Leu Thr Ile Leu Trp Leu His Ser Asn Val Leu Ala Arg Ile  
 47 85 90 95  
 49 Asp Ala Ala Ala Phe Thr Gly Leu Ala Leu Leu Glu Gln Leu Asp Leu  
 50 100 105 110  
 52 Ser Asp Asn Ala Gln Leu Arg Ser Val Asp Pro Ala Thr Phe His Gly  
 53 115 120 125  
 55 Leu Gly Arg Leu His Thr Leu His Leu Asp Arg Cys Gly Leu Gln Glu  
 56 130 135 140  
 58 Leu Gly Pro Gly Leu Phe Arg Gly Leu Ala Ala Leu Gln Tyr Leu Tyr  
 59 145 150 155 160  
 61 Leu Gln Asp Asn Ala Leu Gln Ala Leu Pro Asp Asp Thr Phe Arg Asp  
 62 165 170 175  
 64 Leu Gly Asn Leu Thr His Leu Phe Leu His Gly Asn Arg Ile Ser Ser  
 65 180 185 190

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67 Val Pro Glu Arg Ala Phe Arg Gly Leu His Ser Leu Asp Arg Leu Leu  
 68 195 200 205  
 70 Leu His Gln Asn Arg Val Ala His Val His Pro His Ala Phe Arg Asp  
 71 210 215 220  
 73 Leu Gly Arg Leu Met Thr Leu Tyr Leu Phe Ala Asn Asn Leu Ser Ala  
 74 225 230 235 240  
 76 Leu Pro Thr Glu Ala Leu Ala Pro Leu Arg Ala Leu Gln Tyr Leu Arg  
 77 245 250 255  
 79 Leu Asn Asp Asn Pro Trp Val Cys Asp Cys Arg Ala Arg Pro Leu Trp  
 80 260 265 270  
 82 Ala Trp Leu Gln Lys Phe Arg Gly Ser Ser Ser Glu Val Pro Cys Ser  
 83 275 280 285  
 85 Leu Pro Gln Arg Leu Ala Gly Arg Asp Leu Lys Arg Leu Ala Ala Asn  
 86 290 295 300  
 88 Asp Leu Gln Gly Cys Ala Val Ala Thr Gly Pro Tyr His Pro Ile Trp  
 89 305 310 315 320  
 91 Thr Gly Arg Ala Thr Asp Glu Glu Pro Leu Gly Leu Pro Lys Cys Cys  
 92 325 330 335  
 94 Gln Pro Asp Ala Ala Asp Lys Ala  
 95 340  
 98 <210> SEQ ID NO: 2  
 99 <211> LENGTH: 344  
 100 <212> TYPE: PRT  
 101 <213> ORGANISM: Rattus norvegicus  
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 107 Trp Leu Gln Ala Trp Arg Val Ala Thr Pro Cys Pro Gly Ala Cys Val  
 108 20 25 30  
 110 Cys Tyr Asn Glu Pro Lys Val Thr Thr Ser Arg Pro Gln Gln Gly Leu  
 111 35 40 45  
 113 Gln Ala Val Pro Ala Gly Ile Pro Ala Ser Ser Gln Arg Ile Phe Leu  
 114 50 55 60  
 116 His Gly Asn Arg Ile Ser Tyr Val Pro Ala Ala Ser Phe Gln Ser Cys  
 117 65 70 75 80  
 119 Arg Asn Leu Thr Ile Leu Trp Leu His Ser Asn Ala Leu Ala Gly Ile  
 120 85 90 95  
 122 Asp Ala Ala Ala Phe Thr Gly Leu Thr Leu Leu Glu Gln Leu Asp Leu  
 123 100 105 110  
 125 Ser Asp Asn Ala Gln Leu Arg Val Val Asp Pro Thr Thr Phe Arg Gly  
 126 115 120 125  
 128 Leu Gly His Leu His Thr Leu His Leu Asp Arg Cys Gly Leu Gln Glu  
 129 130 135 140  
 131 Leu Gly Pro Gly Leu Phe Arg Gly Leu Ala Ala Leu Gln Tyr Leu Tyr  
 132 145 150 155 160  
 134 Leu Gln Asp Asn Asn Leu Gln Ala Leu Pro Asp Asn Thr Phe Arg Asp  
 135 165 170 175  
 137 Leu Gly Asn Leu Thr His Leu Phe Leu His Gly Asn Arg Ile Pro Ser  
 138 180 185 190

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Input Set : A:\sequence listing ascii.txt  
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140 Val Pro Glu His Ala Phe Arg Gly Leu His Ser Leu Asp Arg Leu Leu  
141 195 200 205  
143 Leu His Gln Asn His Val Ala Arg Val His Pro His Ala Phe Arg Asp  
144 210 215 220  
146 Leu Gly Arg Leu Met Thr Leu Tyr Leu Phe Ala Asn Asn Leu Ser Met  
147 225 230 235 240  
149 Leu Pro Ala Glu Val Leu Val Pro Leu Arg Ser Leu Gln Tyr Leu Arg  
150 245 250 255  
152 Leu Asn Asp Asn Pro Trp Val Cys Asp Cys Arg Ala Arg Pro Leu Trp  
153 260 265 270  
155 Ala Trp Leu Gln Lys Phe Arg Gly Ser Ser Ser Gly Val Pro Ser Asn  
156 275 280 285  
158 Leu Pro Gln Arg Leu Ala Gly Arg Asp Leu Lys Arg Leu Ala Thr Ser  
159 290 295 300  
161 Asp Leu Glu Gly Cys Ala Val Ala Ser Gly Pro Phe Arg Pro Phe Gln  
162 305 310 315 320  
164 Thr Asn Gln Leu Thr Asp Glu Glu Leu Leu Gly Leu Pro Lys Cys Cys  
165 325 330 335  
167 Gln Pro Asp Ala Ala Asp Lys Ala  
168 340  
171 <210> SEQ ID NO: 3  
172 <211> LENGTH: 285  
173 <212> TYPE: PRT  
174 <213> ORGANISM: Homo sapiens  
176 <400> SEQUENCE: 3  
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180 Ser Cys Pro Gln Gln Gly Leu Gln Ala Val Pro Val Gly Ile Pro Ala  
181 20 25 30  
183 Ala Ser Gln Arg Ile Phe Leu His Gly Asn Arg Ile Ser His Val Pro  
184 35 40 45  
186 Ala Ala Ser Phe Arg Ala Cys Arg Asn Leu Thr Ile Leu Trp Leu His  
187 50 55 60  
189 Ser Asn Val Leu Ala Arg Ile Asp Ala Ala Phe Thr Gly Leu Ala  
190 65 70 75 80  
192 Leu Leu Glu Gln Leu Asp Leu Ser Asp Asn Ala Gln Leu Arg Ser Val  
193 85 90 95  
195 Asp Pro Ala Thr Phe His Gly Leu Gly Arg Leu His Thr Leu His Leu  
196 100 105 110  
198 Asp Arg Cys Gly Leu Gln Glu Leu Gly Pro Gly Leu Phe Arg Gly Leu  
199 115 120 125  
201 Ala Ala Leu Gln Tyr Leu Tyr Leu Gln Asp Asn Ala Leu Gln Ala Leu  
202 130 135 140  
204 Pro Asp Asp Thr Phe Arg Asp Leu Gly Asn Leu Thr His Leu Phe Leu  
205 145 150 155 160  
207 His Gly Asn Arg Ile Ser Ser Val Pro Glu Arg Ala Phe Arg Gly Leu  
208 165 170 175  
210 His Ser Leu Asp Arg Leu Leu Leu His Gln Asn Arg Val Ala His Val  
211 180 185 190

RAW SEQUENCE LISTING  
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Input Set : A:\sequence listing ascii.txt  
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213 His Pro His Ala Phe Arg Asp Leu Gly Arg Leu Met Thr Leu Tyr Leu  
214 195 200 205  
216 Phe Ala Asn Asn Leu Ser Ala Leu Pro Thr Glu Ala Leu Ala Pro Leu  
217 210 215 220  
219 Arg Ala Leu Gln Tyr Leu Arg Leu Asn Asp Asn Pro Trp Val Cys Asp  
220 225 230 235 240  
222 Cys Arg Ala Arg Pro Leu Trp Ala Trp Leu Gln Lys Phe Arg Gly Ser  
223 245 250 255  
225 Ser Ser Glu Val Pro Cys Ser Leu Pro Gln Arg Leu Ala Gly Arg Asp  
226 260 265 270  
228 Leu Lys Arg Leu Ala Ala Asn Asp Leu Gln Gly Cys Ala  
229 275 280 285  
232 <210> SEQ ID NO: 4  
233 <211> LENGTH: 319  
234 <212> TYPE: PRT  
235 <213> ORGANISM: Homo sapiens  
237 <400> SEQUENCE: 4  
238 Pro Cys Pro Gly Ala Cys Val Cys Tyr Asn Glu Pro Lys Val Thr Thr  
239 1 5 10 15  
241 Ser Cys Pro Gln Gin Gly Leu Gln Ala Val Pro Val Gly Ile Pro Ala  
242 20 25 30  
244 Ala Ser Gln Arg Ile Phe Leu His Gly Asn Arg Ile Ser His Val Pro  
245 35 40 45  
247 Ala Ala Ser Phe Arg Ala Cys Arg Asn Leu Thr Ile Leu Trp Leu His  
248 50 55 60  
250 Ser Asn Val Leu Ala Arg Ile Asp Ala Ala Phe Thr Gly Leu Ala  
251 65 70 75 80  
253 Leu Leu Glu Gln Leu Asp Leu Ser Asp Asn Ala Gln Leu Arg Ser Val  
254 85 90 95  
256 Asp Pro Ala Thr Phe His Gly Leu Gly Arg Leu His Thr Leu His Leu  
257 100 105 110  
259 Asp Arg Cys Gly Leu Gln Glu Leu Gly Pro Gly Leu Phe Arg Gly Leu  
260 115 120 125  
262 Ala Ala Leu Gln Tyr Leu Tyr Leu Gln Asp Asn Ala Leu Gln Ala Leu  
263 130 135 140  
265 Pro Asp Asp Thr Phe Arg Asp Leu Gly Asn Leu Thr His Leu Phe Leu  
266 145 150 155 160  
268 His Gly Asn Arg Ile Ser Ser Val Pro Glu Arg Ala Phe Arg Gly Leu  
269 165 170 175  
271 His Ser Leu Asp Arg Leu Leu Leu His Gln Asn Arg Val Ala His Val  
272 180 185 190  
274 His Pro His Ala Phe Arg Asp Leu Gly Arg Leu Met Thr Leu Tyr Leu  
275 195 200 205  
277 Phe Ala Asn Asn Leu Ser Ala Leu Pro Thr Glu Ala Leu Ala Pro Leu  
278 210 215 220  
280 Arg Ala Leu Gln Tyr Leu Arg Leu Asn Asp Asn Pro Trp Val Cys Asp  
281 225 230 235 240  
283 Cys Arg Ala Arg Pro Leu Trp Ala Trp Leu Gln Lys Phe Arg Gly Ser  
284 245 250 255

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Input Set : A:\sequence listing ascii.txt  
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286 Ser Ser Glu Val Pro Cys Ser Leu Pro Gln Arg Leu Ala Gly Arg Asp  
287 260 265 270  
289 Leu Lys Arg Leu Ala Ala Asn Asp Leu Gln Gly Cys Ala Val Ala Thr  
290 275 280 285  
292 Gly Pro Tyr His Pro Ile Trp Thr Gly Arg Ala Thr Asp Glu Glu Pro  
293 290 295 300  
295 Leu Gly Leu Pro Lys Cys Cys Gln Pro Asp Ala Ala Asp Lys Ala  
296 305 310 315  
299 <210> SEQ ID NO: 5  
300 <211> LENGTH: 284  
301 <212> TYPE: PRT  
302 <213> ORGANISM: Rattus norvegicus  
304 <400> SEQUENCE: 5  
305 Cys Pro Gly Ala Cys Val Cys Tyr Asn Glu Pro Lys Val Thr Thr Ser  
306 1 5 10 15  
308 Arg Pro Gln Gln Gly Leu Gln Ala Val Pro Ala Gly Ile Pro Ala Ser  
309 20 25 30  
311 Ser Gln Arg Ile Phe Leu His Gly Asn Arg Ile Ser Tyr Val Pro Ala  
312 35 40 45  
314 Ala Ser Phe Gln Ser Cys Arg Asn Leu Thr Ile Leu Trp Leu His Ser  
315 50 55 60  
317 Asn Ala Leu Ala Gly Ile Asp Ala Ala Phe Thr Gly Leu Thr Leu  
318 65 70 75 80  
320 Leu Glu Gln Leu Asp Leu Ser Asp Asn Ala Gln Leu Arg Val Val Asp  
321 85 90 95  
323 Pro Thr Thr Phe Arg Gly Leu Gly His Leu His Thr Leu His Leu Asp  
324 100 105 110  
326 Arg Cys Gly Leu Gln Glu Leu Gly Pro Gly Leu Phe Arg Gly Leu Ala  
327 115 120 125  
329 Ala Leu Gln Tyr Leu Tyr Leu Gln Asp Asn Asn Leu Gln Ala Leu Pro  
330 130 135 140  
332 Asp Asn Thr Phe Arg Asp Leu Gly Asn Leu Thr His Leu Phe Leu His  
333 145 150 155 160  
335 Gly Asn Arg Ile Pro Ser Val Pro Glu His Ala Phe Arg Gly Leu His  
336 165 170 175  
338 Ser Leu Asp Arg Leu Leu Leu His Gln Asn His Val Ala Arg Val His  
339 180 185 190  
341 Pro His Ala Phe Arg Asp Leu Gly Arg Leu Met Thr Leu Tyr Leu Phe  
342 195 200 205  
344 Ala Asn Asn Leu Ser Met Leu Pro Ala Glu Val Leu Val Pro Leu Arg  
345 210 215 220  
347 Ser Leu Gln Tyr Leu Arg Leu Asn Asp Asn Pro Trp Val Cys Asp Cys  
348 225 230 235 240  
350 Arg Ala Arg Pro Leu Trp Ala Trp Leu Gln Lys Phe Arg Gly Ser Ser  
351 245 250 255  
353 Ser Gly Val Pro Ser Asn Leu Pro Gln Arg Leu Ala Gly Arg Asp Leu  
354 260 265 270  
356 Lys Arg Leu Ala Thr Ser Asp Leu Glu Gly Cys Ala  
357 275 280

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/553,669

DATE: 08/24/2006

TIME: 16:28:41

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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date